

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA590NW

This certificate, issued to Kenmore Air Harbor, Inc.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 10 of the Civil Air Regulations.

Original Product — Type Certificate Number: A-806

Make: DeHavilland

Model: DHC-2 MK 1 (Landplane, Skiplane, Floatplane)

Description of Type Design Change: Installation of Hartzell HC-B3R30-1/R10152-5½ propeller, governor, and spinner on Pratt and Whitney R-985 series engine in accordance with Hartzell D.O.A. - FAA Approved Manual 106L.

NOTE: No changes are deemed necessary to DeHavilland Flight Manual PSM 1-2-1 as a result of this change.

Limitations and Conditions: The approval of this change in type design applies basically to the above aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. This approval is also extended to installation in the above models with EDO model 679-4930 seaplane floats. A copy of this Certificate (Continued on Page 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 11, 1978

Date reissued:

Date of issuance: April 14, 1978

Date amended: June 9, 1978



By direction of the Administrator
Charles C. Schroeder
 (Signature)

Chief, Engineering and Manufacturing Branch
 (Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA590NW

and Addendum No. SA590NW shall be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA590NW

The conditions and limitations of the original specifications apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA590NW prescribes conditions and limitations under which the STC was issued and meets the airworthiness requirements of Civil Air Regulation Part 10. A copy of this Addendum shall be maintained as part of the modified aircraft permanent records.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Kenmore Air Harbor, Inc.

I. DEHAVILLAND MODEL DHC-2, MK 1 (L-20A) (BEAVER) (NORMAL CATEGORY) AS MODIFIED BY STC SA590NW

Engine: Pratt & Whitney R-985, SB-3 (See Aircraft Specification No. A-806, Item 301, for optional engines)

Fuel: 80/87 octane minimum grade aviation gasoline

Engine Limits: For all operations Sea Level 36.5" Hg. 2300 rpm (450 HP) Straight line manifold pressure variation with altitude. 3500 feet 35.5" Hg. 2300 rpm (450 HP)

Propeller and Propeller Limits: Hartzell 3 Blade
Hub Model: HC-B3R30-1
Blade Model: R10152-5½
Diameter: 95½". No cutoff permitted
Pitch Settings at 30" sta.: High - 38.1°
Low - 15°

Governor: Hartzell C-3

Spinner: Hartzell 836-32SR

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